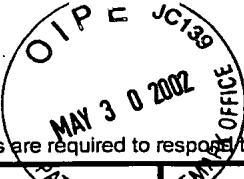


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				Filing Date	October 12, 1999
				First Named Inventor	CHAIN, Daniel G.
				Group Art Unit	1645
				Examiner Name	P. Duffy
Sheet	1	of	4	Attorney Docket Number	P-4815-US2

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**Examiner  
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**Date Considered**

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Application Number	09/402,820
Filing Date	October 12, 1999
First Named Inventor	CHAIN, Daniel G.
Group Art Unit	1543
Examiner Name	P. Duffy

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**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
de	AJ	BUSCIGLIO J, ET AL, (1993) "Generation of b-amyloid in the secretory pathway in neuronal and nonneuronal cells" Proc. Natl. Acad. Sci. 90, 2092-2096	<input type="checkbox"/>
	AK	GEGEDDES JW ET AL. (1999) "N-terminus truncated b-amyloid peptides and C-terminus truncated secreted forms of amyloid precursor protein: distinct roles in the pathogenesis of Alzheimer's disease" Neuobiol of Aging 20, 75-79.	<input type="checkbox"/>
	AL	HAAS C ET AL. (1992) "Amyloid b-peptide is produced by cultured cells during normal metabolism" Nature 359, 322-325	<input type="checkbox"/>
	AM	HAAS C ET AL. (1993) "Cellular processing of β amyloid precursor protein and the genesis of amyloid β-peptide." Cell 75, <1039-1042	<input type="checkbox"/>
	AN	HIGGINS LS ET AL. (1996) "p3 b amyloid peptide has a unique and potentially pathogenic immunohistochemical profile in Alzheimer's disease brain." Am. J. Pathol 149, 585-596	<input type="checkbox"/>
	AO	JOHNSON-WOOD K. ET AL. "Amyloid precursor protein processing and A beta42 deposition in a transgenic mouse model of Alzheimer disease" Proc Natl. Acad. Sci U.S.A. 1997 Feb 18;94 (4): 1550-5	<input type="checkbox"/>
	AP	LALOWSKI M (1996) "The nonamyloidogenic p3 fragment (amyloid β 17-42) is a major constituent of Down's syndrome cerebellar preamyloid." J Biol Chem 271, 33623-31	<input type="checkbox"/>
	AQ	LARNER AJ (1999) "Hypothesis: amyloid b peptides truncated at the N-terminus contribute to the pathogenesis of Alzheimer's disease." Neurbiol. Of Aging 20, 65-69.	<input type="checkbox"/>
	AR	MASTERS CL ET AL. (1985) "Amyloid plaque core protein in Alzheimer's disease and Down syndrome." Proc. Natl. Acad. Sci. 82, 4245-9	<input type="checkbox"/>
	AS	MILLER DL ET AL. (1994) "Peptide compositions of the cerebrovascular and senile plaque core amyloid deposits of Alzheimer's disease." Archives of Biochemistry and Biophysics 301, 41-52	<input type="checkbox"/>
	AT	NASLUND ET AL. (1994) "Relative abundance of Alzheimer Aβ amyloid peptide variants in Alzheimer disease and normal aging." Proc. Natl. Acad. Sci. USA 91, 8378-8382	<input type="checkbox"/>
	AU	PIKE CJ ET AL. (1995) "Amino-terminal deletions enhance aggregation of β-amyloid peptides in vitro." J Biol Chem 270, 23895-8	<input type="checkbox"/>
	AV	SEUBERT ET AL. (1992) "Isolation and quantification of soluble Alzheimer's β-peptide from biological fluids." Nature 359, 325-327	<input type="checkbox"/>
	AW	VIGO-PELFREY C ET AL. (1993) "Characterization of beta-amyloid peptide from human cerebrospinal fluid." J Neurochem 61, 1965-8	<input type="checkbox"/>
	AX	HANAN, Ellat et al., "Inhibitory effect of monoclonal antibodies on Alzheimer's Beta-amyloid peptide aggregation" INT. J. EXP. CLIN. INVEST., vol 3, pp. 130-133 (1996).	<input type="checkbox"/>
de	AY	SOLOMON, Beka et al., "Monoclonal antibodies inhibit in vitro fibrillar aggregation of the Alzheimer Betaamyloid peptide", PROC. NATL. ACAD. SCI. USA, vol. 93, pp 452-455 (1996)	<input type="checkbox"/>

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	AZ	SOLOMON, Beka et al., "Disaggregation of Alzheimer Beta-amyloid by site-directed mAb.", <u>PROC. NATL. ACAD. SCI. USA</u> , vol. 94, pp 4109-4112 (1997)
	BA	TSUZUKI et al., "amyloid beta protein in rat soleus muscle in chloroquine-induced myopathy using end-specific antibodies for A beta 40 and A beta 42: immunohistochemical evidence for amyloid beta protein", <u>Neurosci Letters</u> 202 (1-2):77-80 (1995)
	BB	TURNER et al., "Mayloids $\beta$ 40 and $\beta$ 42 Are Generated Intracellularly In Cultured Human Neurons and Their Secretion Increases with maturation", <u>J Biol Chem</u> 271 (15):8966:8970 (1996)
	BC	YANAGISAWA et al., "Fractionation of Amyloid $\beta$ protein (A $\beta$ ) in Alzheimer's Disease and Down's Syndrome Brains: Presence of Membrane-Bound A $\beta$ ", <u>Ann NY Acad Sci</u> 786:184-194 (1996)
	BD	GRAVINA et al., "Amyloid $\beta$ Protein (A $\beta$ ) in Alzheimer's Disease Brain: Biochemical and Immunocytochemical Analysis with Antibodies Specific for Forms Ending at A $\beta$ 40 or A $\beta$ 42(43)", <u>J Biol Chem</u> 270 (13): 7013-7016 (1995)
	BE	HARRINGTON et al., "Characterisation of an epitope specific to the neuron-specific Isoform of human enolase recognized by a monoclonal antibody raised against a synthetic peptide corresponding to the C-terminus of $\beta$ /A-protein", <u>Biochim Biophys Acta</u> 1158:120-127 (1993)
	BF	HIGGINS et al., "Transgenic Mouse Brain Histopathology Resembles Early Alzheimer's Disease", <u>Ann Neurol</u> 35:598-607 (1994)
	BG	IWATSUBO et al., "Visualization of A $\beta$ 42 (43) and A $\beta$ 40 in Senile Plaques with End-Specific A $\beta$ Monoclonals: Evidence that an Initially Deposited species Is A $\beta$ 42(43) <u>Neuron</u> 13:45-53 (1994)
	BH	IWATSUBO et al., "Amyloid $\beta$ protein (A $\beta$ ) Deposition: A $\beta$ 42 (43) Precedes A $\beta$ 40 In Down Syndrome". <u>Ann Neurol</u> 37:294-299 (1995)
	BI	KONIG et al., "Development and Characterization of a Monoclonal Antibody 369. 2B Specific for the Carboxyl-Terminus of the $\beta$ A4 Peptide", <u>Ann NY Acad Sci</u> 777:345-355 (1996)
	BJ	MANN et al., "The extent of amyloid deposition in brain in patients with Down's Syndrome does not depend upon the apolipoprotein E genotype", <u>Neurosci Letters</u> 196 (1-2):105-108 (1995)
	BK	MANN et al., "Predominant Deposition of Amyloid $\beta$ 42 (43) In Plaques In Cases of Alzheimer's Disease and Hereditary Cerebral Hemorrhage Associated with Mutations in the Amyloid Precursor Protein Gene", <u>Am J Pathol</u> 148 (4):1257-1265 (1996)
	BL	MANN et al., "Amyloid beta protein (Abeta) deposition in chromosome 14-linked Alzheimer's disease: predominance of Abeta 43 (43) <u>Ann Neurol</u> 40 (2):149-156 (1996)
	BM	MURPHY et al., "Development of a Monoclonal Antibody Specific for the COOH-Terminal of $\beta$ -Amyloid 1-42 and Its Immunohistochemical reactivity In Alzheimer's Disease and Related Disorders", <u>Am J Pathol</u> 144 (5):1082-1088 (1994)
<i>de</i>	BN	NAKAMURA et al., "Carboxyl end-specific monoclonal antibodies to amyloid beta protein (A beta) subtypes (A beta 40 and A beta 42 (43) differentiate A beta in senile plaques and amyloid angiopathy in brains of aged cynomolgus monkeys." <u>Neurosci Letters</u> 201(2):151-154 (1996)

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dc	BO	SAIDO et al., "Spatial Resolution of Fodrin Proteolysis in Postischemic Brain", <u>J Biol Chem</u> 268(33): 25239-25243 (1993)
	BP	SUZUKI et al., "High Tissue Content of Soluble $\beta$ 1-40 Is Linked to Cerebral Amyloid Angiopathy", <u>Am J Pathol</u> 145 (2):452-460 (1994)
	BQ	TAMAOKA et al., "Amyloid $\beta$ protein 1-42/43 (A $\beta$ 1-42/43) in cerebellar diffuse plaques: enzyme-linked immunosorbent assay and immunocytochemical study", <u>Brain Res</u> 679:151-156 (1995)
	BR	DUERIASE et al. <u>Bio Techniques</u> , 16 (3): 436-482
dc	BS	JOHNSON-WOOD K. ET AL, "Amyloid precursor protein processing and A beta42 deposition in a transgenic mouse model of Alzheimer disease," 1997, <u>Proc Natl Acad Sci U S A</u> Feb 18;94(4), pp 1550-5. <i>Duplicate</i>

Examiner Signature

*Deborah Crouse*

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